

## **REMARKS**

Claims 1-3 remain in the application for consideration of the Examiner.

Reconsideration and withdrawal of the outstanding rejections are respectfully requested in light of the following remarks.

Turning now to the art rejection, Claim 1 was rejected under 35 U.S.C. § 103 as being unpatentable over Takahashi in view of Dovek; and Claims 2 and 3 were rejected under 35 U.S.C. § 103 as being unpatentable over Takahashi in view of Dovek in view of Tuttle.

These rejections are respectfully traversed.

It is respectfully submitted that Takahashi does not disclose or suggest the presently claimed invention including the circuit responsive to the positive servo sync mark and the negative servo sync mark to generate a signal to indicate said pin layer reversal.

Applicants agree with the Examiner that Takahashi fails to disclose a polarity detector which includes servo sync mark detector for detecting positive and negative sync marks from the signal as indicated in the last paragraph on page 2 of the Office Action.

It is respectfully submitted that Dovek does not disclose the present invention including a circuit responsive to the positive sync mark and the negative servo sync mark to generate a signal to indicate the pin layer reversal.

The Examiner alleges that Dovek discloses that servo sync marks are polarity sensitive and they magnetization direction of the pinned layer is responsive to the detection of successive pair of positive and negative sync marks.

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However, notwithstanding the comments of the Examiner, Dovek does not disclose the above mentioned function.

It is respectfully submitted that Claims 1-3 patentably define over the applied art.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully requested.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

To the extent necessary, Applicant petitions for an Extension of Time under 37 CFR 1.136. Please charge any fees in connection with the filing of this paper, including extension of time fees, to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,



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